JSPTO Form 1449 U.S. Department of Commerce
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INFORMATION DISCLOSURE STATEMENT

Attorney Docket No.	Serial No.
25436/2152	10/035,091
Applicant(s):. Hogrefe, et al.	
Filing Date: December 21, 2001	Group: 1645

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

RH	1.	Evans, S.J. et al., (2000), "Improving dideoxynucleotide-triphosphate utilisation by the hyper-thermophilic DNA polymerase from the archaeon *Pyrococcus furiosus*", *Nucleic Acids Research*, 28(5): 1059-1066.
	2.	Komori, K. et al., (2000), "Functional interdependence of DNA polymerizing and 3'→5' exonucleolytic activities in *Pyrococcus furiosus* DNA polymerase I", *Protein Engineering*, 13(1): 41-47.
	3.	Kong, H. et al., (1993), "Characterization of a DNA Polymerase from the Hyperthermophile Archaea *Thermococcus litoralis*", *The Journal of Biological Chemistry*, 268(3): 1965-1975.
	4.	Lam, W. et al., (1998), "Effects of Mutations on the Partitioning of DNA Substrates between the Polymerase and 3'-5' Exonuclease Sites of DNA Polymerase I (Klenow Fragment)", *Biochemistry*, 37: 1513-1522.
	5.	Patel, P.H. et al., (2000), "DNA polymerase active site is highly mutable: Evolutionary consequences", *PNAS*, 97(10): 5095-5100.
	6.	Suzuki, M. et al., (1996), "Random mutagenesis of *Thermus aquaticus* DNA polymerase I: Concordance of immutable sites *in vivo* with the crystal structure", *Proc. Natl. Acad. Sci. USA*, 93: 9670-9675.
RH	7.	Zhu, W., et al., (1994), "Mutagenesis of a highly conserved lysine 340 of the PRD1 DNA polymerase", *Biochim. Biophys. Acta.*, 1219: 260-266.

EXAMINER [signature] DATE CONSIDERED 8/10/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

**Copies of references not provided at the time of this submission.

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RH	1.	5,436,149	July 25, 1995	Barnes	435	194	Feb. 19, 1993

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
RH	2.	EP 1 088 891 A1	April 4, 2001	Europe	C12N	15/55		
RH	3.	WO 01/23583 A2	April 5, 2001	PCT	C12N	15/55		

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

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RV	1.	Böhike, et al., "PCR performance of the B-type DNA polymerase from the thermophilic euryarchaeon Thermococcus aggregans Improved by mutations in the Y-GG/A motif", Nucleic Acids Research, (2000), 3910-3917.

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